

CONFIDENTIAL

Release Date 3-22-78

~~CANCELLED~~

DATE \_\_\_\_\_

M-d

COUNTY Apache AREA Navajo, Ariz. State Prospecting  
LEASE NO. Permit #38335

WELL NAME Duval Corp. Well No. 61 Stata

LOCATION NW/NE 1/4 SEC 8 TWP 18N RANGE 26E FOOTAGE 327' FWL & 1242 FNL

ELEV 5595 GR 5599 KB SPUD DATE 3-8-77 STATUS P9-A TOTAL DEPTH 1251  
COMP. DATE 3-22-77

CONTRACTOR Harness Drilling Co.

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>12 3/4</u>	<u>10'</u>	<u>105KS</u>		<input checked="" type="checkbox"/>
<u>8 5/8</u>	<u>650</u>	<u>NONE</u>		DRILLED BY CABLE TOOL <input type="checkbox"/>
				PRODUCTIVE RESERVOIR <u>NA</u>
				INITIAL PRODUCTION <u>Strat Test</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>Chinle</u>	<u>30'</u>			
<u>Moenkopi</u>	<u>576</u>			
<u>Coconino</u>	<u>670</u>			
<u>Supai</u>	<u>1012</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
			SAMPLE DESCRP.
			SAMPLE NO. <u>1775</u>
			CORE ANALYSIS
			DSTs

REMARKS Potash Test

APP. TO PLUG <input checked="" type="checkbox"/>
PLUGGING REP. <input checked="" type="checkbox"/>
COMP. REPORT <input checked="" type="checkbox"/>

WATER WELL ACCEPTED BY Pat D. Paulsell

BOND CO Federal Insurance Company filed in P/W 675 BOND NO. 80605375

BOND AMT. \$ 25,000 CANCELLED ☐ ORGANIZATION REPORT 5-23-76

FILING RECEIPT 845 LOC. PLAT X WELL BOOK X PLAT BOOK X

API NO. 20225 DATE ISSUED 3-11-77 DEDICATION NA

PERMIT NUMBER 673

(over)



[illegible]

		CORE RECORD	
NO.	FROM	TO	RECOVERY
	365	385	
	1106	1251	

DATE STARTED - COMPLETED		WORK PERFORMED	NEW PERFORATIONS

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# WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☐

## DESCRIPTION OF WELL AND LEASE

Operator DUVAL CORPORATION Address 4715 East Fort Lowell Road, Tucson, AZ 85712

Federal, State or Indian Lease Number or name of lessor if fee lease State Prospecting Permit #38335 Well Number 61 Field & Reservoir

Location 1242' FNL & 327' FWL County Apache

Sec. TWP-Range or Block & Survey Sec. 8, T18N, R26E

Date spudded 3/8/77 Date total depth reached 3/22/77 Date completed, ready to produce Elevation (L.V., H.E.B., H.T. or Gr.) 5595 Elevation of casing hd. Range

Total depth 1251' (Logger) P.B.T.D. Single, dual or triple completion? If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion Rotary tools used (interval) Cable tools used (interval)

Was this well directionally drilled? Was directional survey made? Was copy of directional survey filed? Date filed

Type of electrical or other logs run (check logs filed with the commission) Date filed

Gamma Ray-Neutron 3/31/77

## CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	20"	12 3/4"	--	0- 10'	10	0
Protective	9 7/8"	8 5/8"	19.64	0- 650'	0	0
Protective	7 7/8"	6 5/8"	17.02	0-1106'	0	1106'

## TUBING RECORD

## LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
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## PERFORATION RECORD

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
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## INITIAL PRODUCTION

Date of first production Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test Hrs. tested Choke size Oil prod. during test Gas prod. during test Water prod. during test Oil gravity

Tubing pressure Casing pressure Cal'd rate of Production per 24 hrs. Oil Gas Water Gas-oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the.....Advanced Geological Engineer.....of the Duval Corporation.....(company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date March 31, 1977

Signature Ned P. Krier

O & G CONS. COMM.

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Well Completion or Recompletion Report and Well Log

File One Copy

Form No. 4

673

Permit No

DETAIL OF FORMATIONS PENETRATED			
Formation	Top	Bottom	Description*
Alluvium	0	30	sand, tan, f.g.
Chinle	30	576	claystone & siltstone w/local sandstone beds, variegated.
Moenkopi	576	670	siltstone, dark red-brown, locally micaceous.
Coconino	670	1012	sandstone, lt. buff, f.g., subangular-rounded qtz. grains.
Supai	1012	1251	sandstone, red-brown, v.f.g., grading downward to siltstone and claystone; some anhydrite; mostly halite w/minor shale.
		T.D.	
<p><u>Note:</u> core samples from 365'-385' and 1106'-1251'.</p>			

\* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

**INSTRUCTIONS:**

Attach driller's log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

RECEIVED

JUL 13 1977

O & G CONS. COMM.

TO: Oil and Gas Conservation Commission  
State of Arizona

This is to advise you that I accept the abandoned wildcat well, known as the  
Duval 61 State located on the NW/NW4  $\frac{1}{4}$ - $\frac{1}{4}$

of Section 8 Township 18N Range 26E, County of Apache  
Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of  
the above well, including final plugging, in full compliance with the Rules  
and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the provisions of the  
State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any  
applicable requirements of U.S. Geological Survey.

Signature Pat D. Paulsell  
Address P.O. 338  
Holbrook AZ.

State of Arizona  
County of Navajo

On this, the 15<sup>th</sup> day of July, 1977, before me,

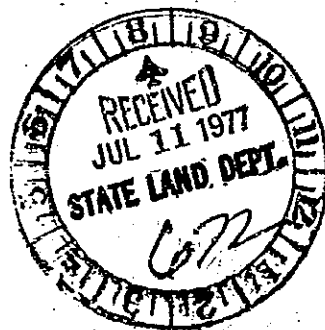
MAX J. Gardner, the undersigned officer, personally appeared  
Pat D. Paulsell, known to me (or satisfactorily proven)  
to be the person whose name is subscribed to the within instrument and ac-  
knowledged that he executed the same for a  
purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public Max J. Gardner  
My Commission expires 12/10/1978

State of Arizona  
OIL & GAS CONSERVATION COMMISSION  
WATER WELL ACCEPTANCE  
Form 26 - File one copy

Permit No. 673





# PLUGGING RECORD

Operator <b>DUVAL CORPORATION</b>		Address <b>4715 E. Ft. Lowell, Tucson, AZ 85712</b>	
Federal, State, or Indian Lease Number, or lessor's name if fee lease. <b>#38335</b>		Well No. <b>61</b>	Field & Reservoir <b>Wildcat</b>
Location of Well <b>1242' FNL &amp; 327' FWL</b>		Sec-Twp-Rge or Block & Survey <b>Sec. 8, T18N, R26E</b>	County <b>Apache</b>
Application to drill this well was filed in name of <b>Duval Corporation</b>	Has this well ever produced GEOTHERMAL RESOURCES? <b>No</b>	Date plugged: <b>March 23, 1977</b>	Total depth <b>1251'</b>
NAME OF EACH FORMATION CONTAINING GEOTHERMAL RESOURCES. INDICATE WHICH FORMATION OPEN TO WELL-BORE AT TIME OF PLUGGING	DEPTH INTERVAL OF EACH FORMATION	SIZE, KIND & DEPTH OF PLUGS USED INDICATE ZONES SQUEEZE CEMENTED, GIVING AMOUNT CEMENT	
<b>Alluvium</b>	<b>0 - 30'</b>		
<b>Chinle</b>	<b>30 - 576'</b>		
<b>Moenkopi</b>	<b>576 - 670'</b>	<b>740 - 572</b>	<b>50 SKS</b>
<b>Coconino</b>	<b>670 - 1012'</b>		
<b>Supai</b>	<b>1012 - 1251' (T.D.)</b>	<b>1180 - 1085</b>	<b>15 SKS</b>
CASING RECORD			
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)
<b>12 3/4"</b>	<b>10</b>	<b>0</b>	<b>10</b>
<b>8 5/8"</b>	<b>650</b>	<b>0</b>	<b>650</b>
<b>6 5/8"</b>	<b>1106</b>	<b>1106</b>	<b>0</b>
			<b>pulled</b>
Was well filled with mud-laden fluid, according to regulations? <b>Yes</b>		Indicate deepest formation containing fresh water. <b>Unkr own</b>	
PACKERS AND SHOES			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE			
Name	Address		Direction from this well:
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.			
Use reverse side for additional detail.			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Advanced Geological Engineer</u> of the <u>Duval Corporation</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.			
Date <b>March 31, 1977</b>	Signature <b>Ned P. Krier</b>		
Permit No. <b>673</b>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
APR 4 1977 O & G CONS. COMM.		FORM NO. 1-10	

# APPLICATION TO ABANDON AND PLUG

FIELD Wildcat  
 OPERATOR DUVAL CORPORATION ADDRESS 4715 E. Ft. Lowell, Tucson, AZ 85712  
 Federal, State, or Indian Lease Number \_\_\_\_\_  
 or Lessor's Name if Fee Lease \_\_\_\_\_ State Prospecting Permit # 38335 WELL NO. 61  
 SURVEY T18N, R26E SECTION 8 COUNTY Apache  
 LOCATION 1242' FNL & 327' FWL

The present condition of the well is:

1. Total depth: 1251' (Logger)
2. Complete casing record, including plugs:

12 3/4" 0 - 10'  
 8 5/8" 0 - 650'  
 6 5/8" 0 - 1106'

3. Last produced: \_\_\_\_\_  
 Date \_\_\_\_\_

Additional data for dry hole -

4. Results of tests: (include analysis of effluent)

a. Bottom hole temperature: \_\_\_\_\_

b. Maximum temperature: \_\_\_\_\_ Depth: \_\_\_\_\_

5. Stratigraphic markers and depths:

Top Coconino - 695'

6. Formation at bottom Suapi

7. Base of fresh water sands: Unknown

8. FULL DETAILS OF PROPOSED PLAN OF WORK Pull 1106' of 6 5/8" Csg. Cement plugs to be set at following intervals: 600' - 740'  
1000' - 1200'

If well is to be abandoned, does proposed work conform with requirements of Rule G202? Yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS March 8, 1977

NAME OF PERSON DOING WORK Harness Drilling Co. ADDRESS Box 17526, Tucson, AZ 85731

CORRESPONDENCE SHOULD BE SENT TO Ned P. Krier

Name

Title Advanced Geological Engineer

Address 5357 East Pima Street

Tucson, Arizona 85712

Date March 22, 1977

O & G CONS. COMM.

Date Approved 4-1-77  
 STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION

By: 673

Permit No. Ned P. Krier

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Application to Abandon and Plug  
 File Two Copies

FORM NO. 4-9

**SUNDY NOTICES AND REPORTS ON WELLS**

1. Name of Operator DUVAL CORPORATION  
 2. Oil WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) STRATIGRAPHIC TEST  
 3. Well Name DUVAL 62 STATE  
 Location 2616 FNL 257 FWL  
 Sec. 6 Twp. 18N Rge. 27E County APACHE Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease STATE PROSPECTING PERMIT # 08-38337

5. Field or Pool Name NA

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>		(OTHER)	WEEKLY PROGRESS	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

3/22/77 LOGGED D-61  
 3/23/77 cemented  
 3/24/77 moved and spudded D-62  
 3/26/77 DRILLING TO 750'

RECEIVED

MAR 28 1977

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Christopher S. Johnson Title GEOLOGIST Date 3/26/77

Permit No. 38337

# 674  
673

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies

Form No. 23

SUNDY NOTICES AND REPORTS ON WELLS

RECEIVED

MAR 23 1977

1. Name of Operator DUVAL CORPORATION O & G CONS. COMM.  
 2. Oil WELL ☐ GAS WELL ☐ OTHER ☐ (Specify) STRATIGRAPHIC TEST  
 3. Well Name DUVAL 61 STATE  
 Location SEC 8 327 FNL 1242 FNL  
 Sec. 8 Twp. 18N Rge. 26E County APACHE Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease:  
STATE PROSPECTING PERMIT #38335  
 5. Field or Pool Name NA

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐  
 FRACTURE TREAT ☐ DIRECTIONAL DRILL ☐  
 SHOOT OR ACIDIZE ☐ PERFORATE CASING ☐  
 REPAIR WELL ☐ CHANGE PLANS ☐  
 (OTHER) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ MONTHLY PROGRESS ☐  
 FRACTURE TREATMENT ☐ REPAIRING WELL ☐  
 SHOOTING OR ACIDIZING ☐ ALTERING CASING ☐  
 ABANDONMENT ☐  
 (OTHER) WEEKLY PROGRESS ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SET CASING TO 650' WITH 8 5/8" ON 12 1/4"  
 WEDNESDAY 16th SET CASING TO 1106' WITH 6 5/8"  
 BEGAN CORING, STUCK IN HOLE, BURST OUT CLUTCH.  
 FRIDAY THE 18th PULLED OUT OF HOLE, HAD BEND DRILL  
 PIPE AND BENT UP CORE BARREL.  
 MONDAY STARTING TO CORE WITH NEW BARREL.

8. I hereby certify that the foregoing is true and correct.

Signed Christopher J. Galt Title GEOLOGIST Date 3/21/77

Permit No. 673  
38335

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies

Form No. 25

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator DUVAL CORPORATION  
 2. Oil WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) STRATIGRAPHIC TEST  
 3. Well Name D-61  
 Location 327 FWL 1242 FNL  
 Sec. 8 Twp. 18N Rge. 26E County APACHE Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease STATE PROSPECTING PERMIT #38335  
 5. Field or Pool Name NA

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>WEEKLY PROGRESS</u> <input checked="" type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

3/8/77 SPUD IN, SET SURFACE PIPE 10' of 14"  
 3/10/77 DRILLING 9 7/8" HOLE; PLAN TO SET CASING TO 650'  
 3/11/77 PRESENTLY AT 385', WILL SET 8 3/4" TO 680'.

RECEIVED

MAR 14 1977

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Clayton J. Galen Title GEOLOGIST Date 3/11/77

Permit No. 38335

473

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies

Form No. 23

# APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒

RE-ENTER OLD WELL ☐

NAME OF COMPANY OR OPERATOR

DUVAL CORPORATION

4715 East Fort Lowell Road, Tucson, Arizona 85712

Address

City

State

Harness Drilling Company

Drilling Contractor

Box 17526, Tucson, Arizona 85731

Address

## DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
State Prospecting Permit #38335	61	5595
Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:	
327 feet	4780 feet	
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
640	NA	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
NA		
Well location (give footage from section lines)	Section—township—range or block and survey	Dedication (Comply with Rule 105)
327 ft. FWL; 1242 ft. FNL	Section 8, T18N, R26E	NA
Field and reservoir (if wildcat, so state)	County	
	Apache	
Distance, in miles, and direction from nearest town or post office		
12 miles SSW from Navajo, Arizona		
Proposed depth:	Rotary or cable tools	Approx. date work will start
1250 ft.	Rotary	March 1, 1977
Bond Status	Organization Report	Filing Fee of \$25.00
Statewide--on file	On file X Or attached	Attached X
Bond Amount		
\$25,000		
Remarks:		

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Vice-President of the Minerals Acquisition of the DUVAL CORPORATION (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

B. G. Messer

Date

March 9, 1977

Permit Number:

Approval Date:

Approved By:

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Drill or Re-enter  
File Two Copies

Form No. 3

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES \_\_\_\_\_ NO X-State
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES \_\_\_\_\_ NO \_\_\_\_\_ If answer is "yes," Type of Consolidation NA
6. If the answer to question four is "no," list all the owners and their respective interests below:

<p>Owner <u>State of Arizona</u></p> <p>Land Description <u>Section 8, T18N, R26E</u></p> <p>Surface and minerals</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: right;"><i>B. G. Messer</i></p> <p>Name <u>B. G. Messer</u></p> <p>Position <u>Vice President- Minerals Acquisition</u></p> <p>Company <u>Duval Corporation</u></p> <p>Date <u>March 9, 1977</u></p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p style="text-align: center;">See attached plat</p> <p>Date Surveyed <u>February 17, 1977</u></p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p style="text-align: center;"><u>Troy Baldwin</u></p> <p>Certificate No. <u>7334</u></p> </div>
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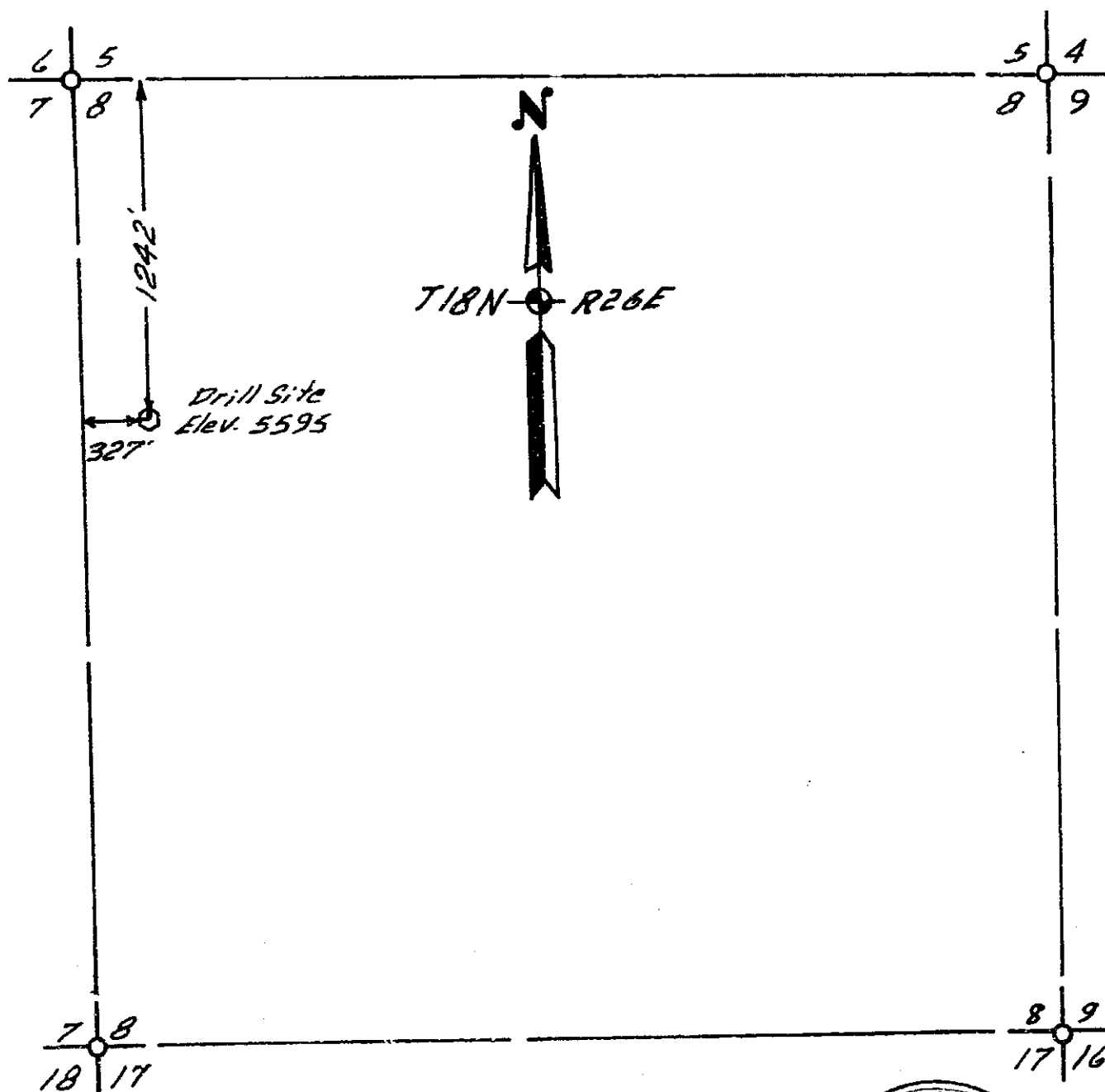
**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
8 5/8	19.64	X-42	0	620	-	-
6 5/8	17.02	B	0	1180	1170-1180	-

*Baldwin Surveying Company*

TROY BALDWIN — REGISTERED LAND SURVEYOR

~~Box 186~~  
Holbrook, Arizona 86025  
Phone 524-6550



DRILL SITE LOCATION  
FOR: DUVAL CORPORATION  
TUCSON, ARIZONA





Topographic map of the Ninemile Seep area in Nevada. The map shows contour lines and elevation points. Key features include the Ninemile Seep, Rock Tank, and various elevation points such as 2977, 1251, 1308, 1312, 1252, 1245, 1147, and 322. The map is labeled 'Ninemile Seep' in the center.



## PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,  
STATE OF ARIZONA,

To: DUVAL CORPORATION  
(OPERATOR)

to drill a well to be known as

Duval Well No. 61 State  
(WELL NAME)

located 327' FWL and 1242' FNL (NW/NW4)

Section 8 Township 18 N Range 26 E, Apache County, Arizona.

The NA of said  
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled  
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 11th day of March, 1977.

OIL AND GAS CONSERVATION COMMISSION

By W. S. O'Leary  
EXECUTIVE SECRETARY

PERMIT N<sup>o</sup> 673

RECEIPT NO. 845

API NO. 20225

State of Arizona  
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED



5357 EAST PIMA TUCSON, ARIZONA 85712

RECEIVED

JUL 1 1977

O & G CONS. COMM.

RECEIVED

JUL 1 1977

O & G CONS. COMM.

7/8/77

Bill:

Just a note to let you know that we sent the logs to Paulsell.  
We're checking on the paperwork transferring the well from Duval logs to Paulsell.

red

673



5357 EAST PIMA TUCSON, ARIZONA 85712

July 8, 1977

Mr. P. Paulsell  
P.O. Box 338  
Holbrook, Arizona 86025

Dear Mr. Paulsell:

Mr. William Allen of the Oil and Gas Conservation Commission of the State of Arizona phoned today forwarding a request from you for the log of the upper part of Duval Hole 61 in Section 8, T18N, R26E. Enclosed are a copy of the gamma-neutron log and the description of the cuttings. Hopefully, these will cover your needs.

Sincerely,

Ned P. Krier  
Advanced Geological Engineer

dbh  
enc.

673



5357 EAST PIMA TUCSON, ARIZONA 85712

RECEIVED  
MAY 10 1977  
O & G CONS. COMM.

May 9, 1977

Oil & Gas Conservation Commission  
State of Arizona  
Suite 420  
1645 West Jefferson  
Phoenix, Arizona 85007

ATTN: Mr. W.E. Allen

Gentlemen:

Duval Corporation would like to request that all information on the drill holes with the Oil & Gas Conservation Commission, Permits No. 673, 674, and 675 be kept confidential for the maximum time allowed under the laws of Arizona. We understand that this would be one year from the date of well completion.

Sincerely,

Ned P. Krier  
Advanced Geological Engineer

dbh



5357 EAST PIMA TUCSON, ARIZONA 85712

April 15, 1977

RECEIVED  
APR 19 1977  
D & G CONSL. COMM.

Mr. W. E. Allen  
Arizona Oil and Gas Conservation Commission  
8686 N. Central Avenue, Suite 108  
Phoenix, Arizona 85020

Dear Bill:

We were not sure you had received a copy of the geophysical log for  
D-61, drilled in Apache Co., T18N, R26E, Section 8.

Enclosed is a print of that log, just in case.

Sincerely,

Ned P. Krier  
Advanced Geological Engineer

NPK:hdh  
encl.

March 11, 1977

Mr. B. G. Messer  
Vice President-Minerals Acquisition  
Duval Corporation  
4715 E. Fort Lowell Road  
Tucson, Arizona 85712

- 673 Re: 1. Duval Hole No. 61 located in the NWNW of  
Section 8, T18N, R26E.  
2. Duval Hole No. 62 located in the SWNW of  
Section 6, T18N, R27E.  
3. Duval Hole No. 63 located in the SWSE of  
Section 12, T18N, R26E

Dear Mr. Messer:

Attached are the approved applications to drill and drilling  
permits for the above referenced wells. Also attached is  
Receipt No. 845 in the amount of \$75.00.

Very truly yours,

William E. Allen  
Director  
Enforcement Section

WEA/vb  
Enc.



4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

March 9, 1977

MAR 11 1977

D & G CONS. COMM.

Mr. W. E. Allen, Director  
Enforcement Section  
Oil and Gas Conservation Commission  
State of Arizona  
8686 North Central Ave., Suite 106  
Phoenix, Arizona 85020

Dear Mr. Allen:

Enclosed are three applications in duplicate for Permits to Drill the following three core tests in Apache County:

- 673
1. Duval Hole No. 61 located in the NWNW of Section 8, T18N, R26E.
  2. Duval Hole No. 62 located in the SWNW of Section 6, T18N, R27E.
  3. Duval Hole No. 63 located in the SWSE of Section 12, T18N, R26E.

Also enclosed is our check in the amount of \$75.00 covering the filing fee for above permits.

Yours very truly,

DUVAL CORPORATION

B. G. Messer  
Vice President-Minerals Acquisition

BGM:eh  
enclosures

cc: N. Krier



PLEASE ADDRESS ALL CORRESPONDENCE  
REGARDING THIS REMITTANCE TO:  
4715 EAST FORT LOWELL ROAD  
TUCSON, ARIZONA 85712

DETACH BEFORE DEPOSITING CHECK. ENDORSEMENT OF CHECK ATTACHED ACKNOWLEDGES PAYMENT IN FULL OF ALL ITEMS SHOWN IN STATEMENT BELOW. IN CASE OF  
ERROR OR OMISSION, RETURN BOTH CHECK AND STATEMENT TO ABOVE ADDRESS. eh

ITEMS					ITEMS				
DATE	INV. NO.	GROSS	DISC.	NET AMOUNT	DATE	INV. NO.	GROSS	DISC.	NET AMOUNT
					3/9/77		Filing Fees for Application for Permits to Drill on Prospecting Permits #38335, 38336, and 38337		\$75.00